



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area

**[G14834]**

Machine Id

**JOHN DEERE 750L 437285**

Component

**Left Final Drive**

Fluid

**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0007185</b>	WE0006146	WE0004563
Sample Date		Client Info		<b>10 Apr 2024</b>	14 Dec 2023	06 Sep 2023
Machine Age	hrs	Client Info		<b>1538</b>	1015	670
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>43</b>	56	62
Iron	ppm	ASTM D5185m	>750	<b>54</b>	101	86
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	2	<1
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	2	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>4</b>	5	11
Lead	ppm	ASTM D5185m	>15	<b>3</b>	1	0
Copper	ppm	ASTM D5185m	>40	<b>2</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

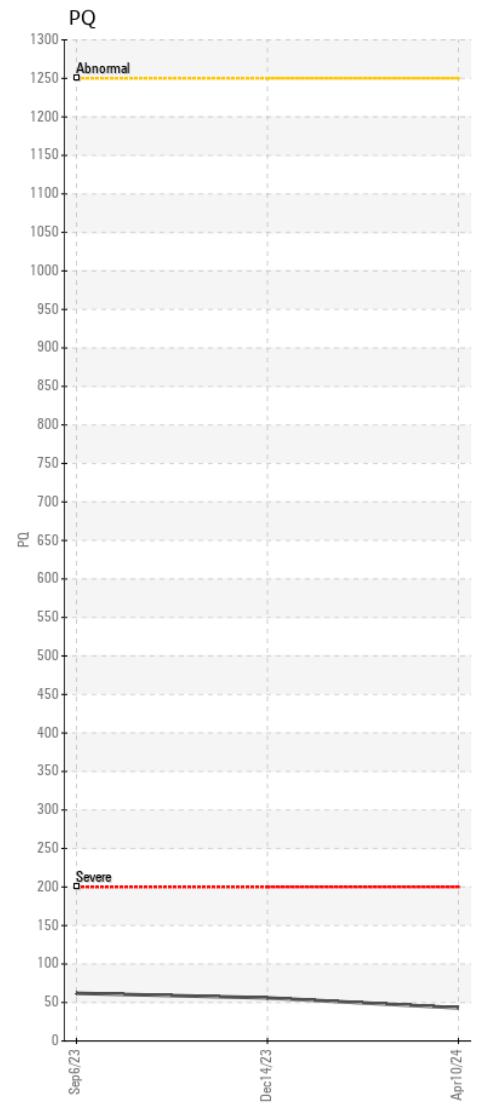
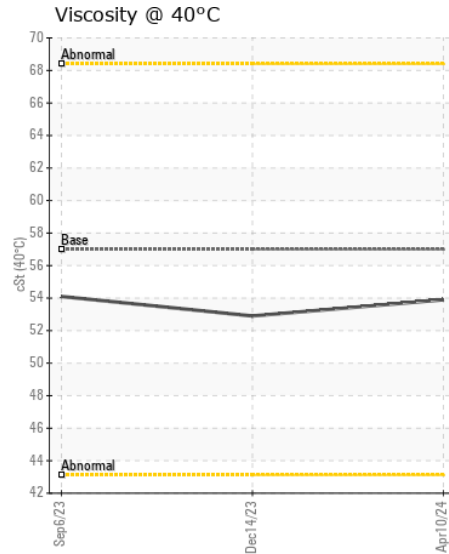
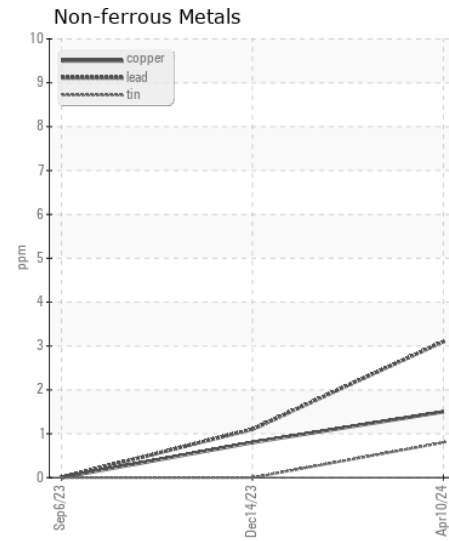
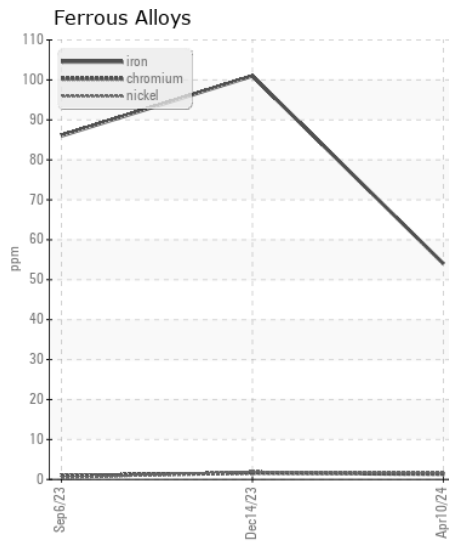
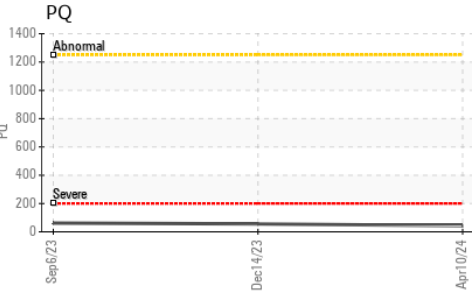
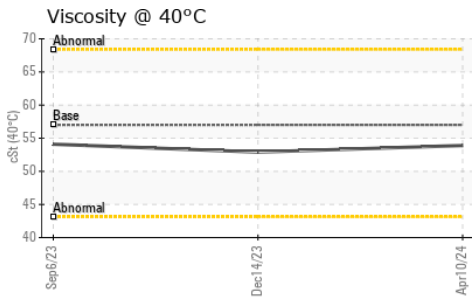
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>23</b>	25	35
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>2</b>	1	1
Boron	ppm	ASTM D5185m	6	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0	<b>1</b>	5	2
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	1	0
Manganese	ppm	ASTM D5185m		<b>1</b>	2	1
Magnesium	ppm	ASTM D5185m	145	<b>110</b>	120	110
Calcium	ppm	ASTM D5185m	3570	<b>3818</b>	3805	3512
Phosphorus	ppm	ASTM D5185m	1290	<b>1081</b>	1204	1037
Zinc	ppm	ASTM D5185m	1640	<b>1346</b>	1442	1282
Sulfur	ppm	ASTM D5185m		<b>3932</b>	4988	4330
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.9</b>	52.9	54.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0007185 **Received** : 15 Apr 2024  
**Lab Number** : 06149682 **Tested** : 16 Apr 2024  
**Unique Number** : 10979760 **Diagnosed** : 16 Apr 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**WARRIOR TRACTOR AND EQUIPMENT - GRAYSVILLE**  
 4308 WATER TRAIL  
 GRAYSVILLE, AL  
 US 35073  
 Contact: BEN BYRKET  
 bbyrket@warriortractor.com  
 T: (205)675-9045  
 F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)